

Patent Abstracts of Japan

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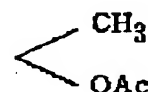
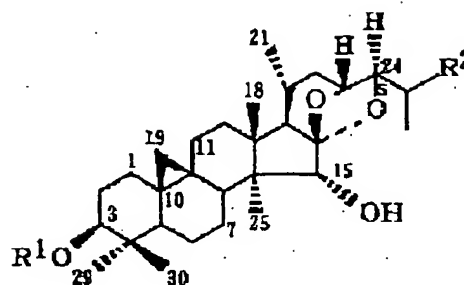
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TITLE : THERAPEUTIC AGENT FOR BONE
DISEASE CONTAINING EXTRACT OF
BLACK COHOSH ROOT



ABSTRACT : PROBLEM TO BE SOLVED: To obtain the subject therapeutic agent comprising an extract of black cohosh root as active ingredient, suppressing bone absorption by parathyroid hormone and reduction in bone density, having no adverse effect, useful for treating osteoporosis, hypercalcemia, etc.

SOLUTION: This therapeutic agent comprises an extract of black cohosh root an active ingredient. Cimicifuga foetida L. produced in SISENSYOU in China, etc., are preferable as the black cohosh root. The extract of black cohosh root is preferably obtained by extracting rhizome of black cohosh root with methanol under heating, distilling away methanol from the extracted solution and extracting the residue with ethyl acetate. The extract with ethyl acetate is further purified by column chromatography and collected to give a terpene compound of formula I (R^1 is β -xylosyl; R^2 is CH_2 or a group of formula II) showing strongly treating action on bone. The compound may be used as the active ingredient. A dose of the extract of black cohosh root is preferably 0.1-3 g/kg in oral administration per adult. A dose of oral administration per adult is preferably 0.01-0.3g/kg in the case of the terpene compound as the active ingredient.

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